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(54) Title: PROTEIN WITH ACTIVITY OF HYDROLYZING AMYLOPECTIN, STARCH, GLYCOGEN AND AMYLOSE, GENE ENCODING THE SAME, CELL EXPRESSING THE SAME, AND PRODUCTION METHOD THEREOF

(57) Abstract: Disclosed are an enzyme, having the amino acid sequence of SEQ. ID. No. 1 with the activity of hydrolyzing amylopectin, starch, glycogen and amylose, a gene encoding the enzyme, and a transformed cell expressing the gene. Also disclosed is a method of producing an enzyme capable of degrading amylopectin, starch, glycogen and amylose, which comprises culturing the cell, expressing the enzyme in the cell and purifying the enzyme. A composition comprising the enzyme is provided for removing dextran or polysaccharide contaminants during sugar production.